

## SUMMARY OF WATER CONDITIONS

May 1, 2002

Precipitation during April was disappointing, not quite half average for the month. About half the snowpack of a month ago has melted, an unusually high fraction for April. Because of the dryness of the spring so far, runoff forecasts have been reduced about 5 percent from those published on April 1. Although the outlook is not as bright as it was a month ago, runoff in most areas will be much better than last year except in the southern end of the State. Most users should have adequate supplies; however, significant delivery deficiencies are expected for Delta exporters and in local surface supplies in the south.

**Forecasts** of April through July runoff are now expected to be 75 percent of average statewide, but lower in the southern end of the Sierra. Water year forecasts are also about 75 percent of average compared to 50 percent actual runoff last year.

**Snowpack** water content is about 60 percent of average and about 45 percent of the April 1 average, the normal date of maximum accumulation. A number of sunny, warm days during the first part of April hastened the ripening process and produced much higher than normal early melt.

**Precipitation** during April was about 50 percent of average with a pronounced north to south gradient. Many basins in the southern portion of California had less than one quarter normal monthly precipitation, reinforcing the seasonal trend. Statewide precipitation this season since October 1 is about 80 percent of average compared to 75 percent last year.

**Runoff** so far this water year has been about 80 percent of average, almost double last year's 45 percent. April runoff overall was 85 percent of average, but a number of mountain rivers exceeded average runoff during the month due to accelerated snowmelt. Estimated runoff of the 8 major rivers of the Sacramento and San Joaquin River regions was 2.8 million acre-feet during April. The May estimate of the Sacramento River Index at the 90% exceedence level is 14.2 MAF. The May estimate of the San Joaquin Region 60-20-20 Index at the 75% exceedence level is 2.3.

**Reservoir storage** increased during April at an approximately average rate and is about average for the date. Except for the snowmelt driven river basins of the central and southern Sierra, storage has probably peaked for this season.

### SUMMARY OF WATER CONDITIONS IN PERCENT OF AVERAGE

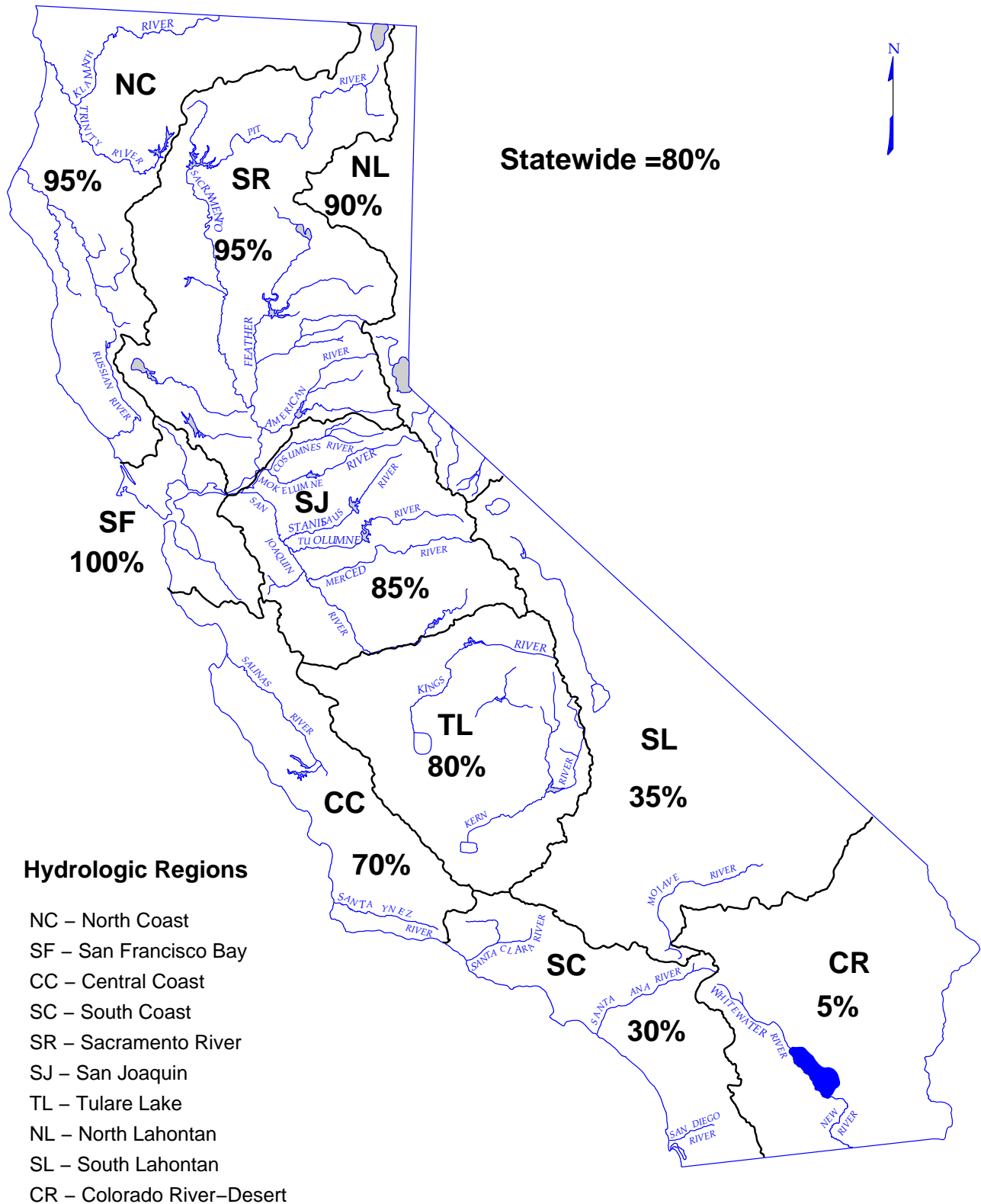
| HYDROLOGIC REGION         | PRECIPITATION<br>OCTOBER 1 TO<br>DATE | MAY 1 SNOW<br>WATER CONTENT | MAY 1<br>RESERVOIR<br>STORAGE | RUNOFF<br>OCTOBER 1 TO<br>DATE | APR-JULY RUNOFF<br>FORECAST | WATER YEAR<br>RUNOFF<br>FORECAST |
|---------------------------|---------------------------------------|-----------------------------|-------------------------------|--------------------------------|-----------------------------|----------------------------------|
| NORTH COAST               | 95                                    | 65                          | 100                           | 85                             | 85                          | 85                               |
| SAN FRANCISCO BAY         | 100                                   | ---                         | 90                            | 90                             | ---                         | ---                              |
| CENTRAL COAST             | 70                                    | ---                         | 100                           | 35                             | ---                         | ---                              |
| SOUTH COAST               | 30                                    | ---                         | 80                            | 10                             | ---                         | ---                              |
| SACRAMENTO RIVER          | 95                                    | 65                          | 100                           | 80                             | 75                          | 80                               |
| SAN JOAQUIN RIVER         | 85                                    | 65                          | 105                           | 75                             | 75                          | 70                               |
| TULARE LAKE               | 80                                    | 45                          | 90                            | 70                             | 65                          | 60                               |
| NORTH LAHONTAN            | 90                                    | 65                          | 65                            | 75                             | 75                          | 70                               |
| SOUTH LAHONTAN            | 35                                    | 20                          | 110                           | 80                             | 75                          | 80                               |
| COLORADO RIVER-<br>DESERT | 5                                     | ---                         | ---                           | ---                            | ---                         | ---                              |
| <b>STATEWIDE</b>          | 80                                    | 60                          | 100                           | 80                             | 75                          | 75                               |

# DEPARTMENT OF WATER RESOURCES

## CALIFORNIA COOPERATIVE SNOW SURVEYS

### SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE  
October 1, 2001 through April 30, 2002

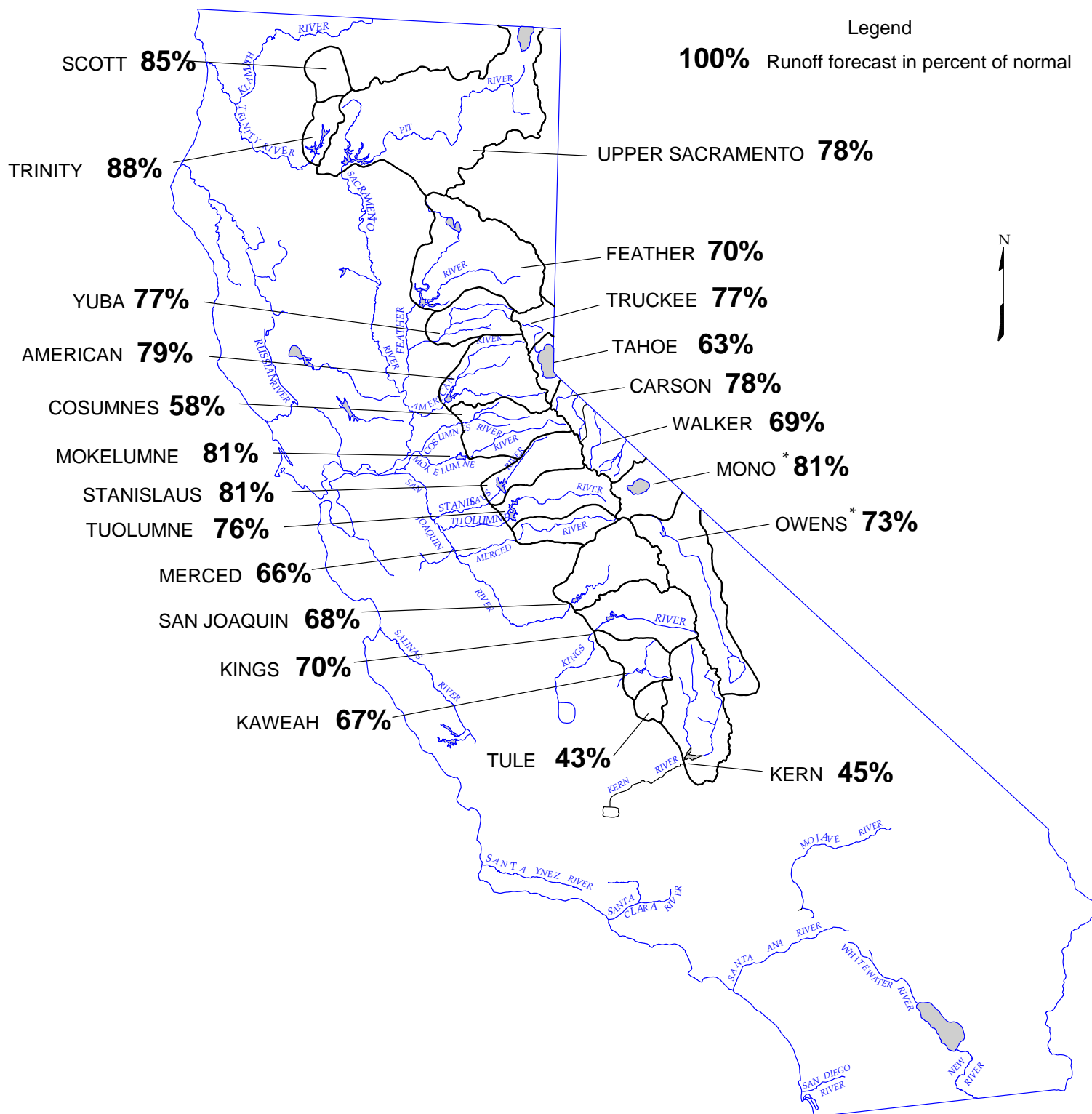


WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

# DEPARTMENT OF WATER RESOURCES CALIFORNIA COOPERATIVE SNOW SURVEYS

## FORECAST OF APRIL – JULY UNIMPAIRED SNOWMELT RUNOFF

May 1, 2002



\* FORECAST BY DEPARTMENT OF WATER AND POWER, CITY OF LOS ANGELES

**MAY 1, 2002 FORECASTS**  
**APRIL-JULY UNIMPAIRED RUNOFF**

| HYDROLOGIC REGION<br>and Watershed                        | Unimpaired Runoff in 1,000 Acre-Feet (1) |                     |                     |                      |                  |                                  |
|---|--|---------------------|---------------------|----------------------|------------------|----------------------------------|
|   | HISTORICAL                               |                     |                     | FORECAST             |                  |                                  |
|   | 50 Yr<br>Avg<br>(2)                      | Max<br>of<br>Record | Min<br>of<br>Record | Apr-Jul<br>Forecasts | Pct<br>of<br>Avg | 80 %<br>Probability<br>Range (1) |
| <b>SACRAMENTO RIVER</b>                                   |  |                     |                     |                      |                  |                                  |
| <b>Upper Sacramento River</b>                             |  |                     |                     |                      |                  |                                  |
| Sacramento River at Delta above Shasta Lake (3)           | 299                                      | 711                 | 39                  | 230                  | 77%              |                                  |
| McCloud River above Shasta Lake                           | 400                                      | 850                 | 185                 | 310                  | 78%              |                                  |
| Pit River near Montgomery Creek + Squaw Creek             | 1,090                                    | 2,098               | 480                 | 870                  | 80%              |                                  |
| Total Inflow to Shasta Lake                               | 1,849                                    | 3,525               | 726                 | <b>1,450</b>         | 78%              | 1,240 - 1,750                    |
| <b>Sacramento River above Bend Bridge, near Red Bluff</b> | 2,521                                    | 5,075               | 943                 | <b>1,850</b>         | 73%              | 1,570 - 2,290                    |
| <b>Feather River</b>                                      |  |                     |                     |                      |                  |                                  |
| Feather River at Lake Almanor near Prattville (3)         | 333                                      | 675                 | 120                 | 250                  | 75%              |                                  |
| North Fork at Pulga (3)                                   | 1,028                                    | 2,416               | 243                 | 730                  | 71%              |                                  |
| Middle Fork near Clio (4)                                 | 86                                       | 518                 | 4                   | 55                   | 64%              |                                  |
| South Fork at Ponderosa Dam (3)                           | 110                                      | 267                 | 13                  | 70                   | 64%              |                                  |
| Feather River at Oroville                                 | 1,870                                    | 4,676               | 392                 | <b>1,300</b>         | 70%              | 1,080 - 1,600                    |
| <b>Yuba River</b>   |  |                     |                     |                      |                  |                                  |
| North Yuba below Goodyears Bar (3)                        | 286                                      | 647                 | 51                  | 210                  | 73%              |                                  |
| Inflow to Jackson Mdws and Bowman Reservoirs (3)          | 112                                      | 236                 | 25                  | 85                   | 76%              |                                  |
| South Yuba at Langs Crossing (3)                          | 233                                      | 481                 | 57                  | 170                  | 73%              |                                  |
| Yuba River near Smartville plus Deer Creek                | 1,044                                    | 2,424               | 200                 | <b>800</b>           | 77%              | 690 - 940                        |
| <b>American River</b>                                     |  |                     |                     |                      |                  |                                  |
| North Fork at North Fork Dam (3)                          | 262                                      | 716                 | 43                  | 200                  | 76%              |                                  |
| Middle Fork near Auburn (3)                               | 522                                      | 1,406               | 100                 | 410                  | 79%              |                                  |
| Silver Creek Below Camino Diversion Dam (3)               | 173                                      | 386                 | 37                  | 130                  | 75%              |                                  |
| American River below Folsom Lake                          | 1,282                                    | 3,074               | 229                 | <b>1,010</b>         | 79%              | 880 - 1,180                      |
| <b>SAN JOAQUIN RIVER</b>                                  |  |                     |                     |                      |                  |                                  |
| <b>Cosumnes River at Michigan Bar</b>                     | 130                                      | 363                 | 8                   | <b>75</b>            | 58%              | 45 - 105                         |
| <b>Mokelumne River</b>                                    |  |                     |                     |                      |                  |                                  |
| North Fork near West Point (5)                            | 437                                      | 829                 | 104                 | 340                  | 78%              |                                  |
| Total Inflow to Pardee Reservoir                          | 469                                      | 1,065               | 102                 | <b>380</b>           | 81%              | 340 - 450                        |
| <b>Stanislaus River</b>                                   |  |                     |                     |                      |                  |                                  |
| Middle Fork below Beardsley Dam (3)                       | 334                                      | 702                 | 64                  | 270                  | 81%              |                                  |
| North Fork Inflow to McKays Point Dam (3)                 | 224                                      | 503                 | 34                  | 180                  | 80%              |                                  |
| Stanislaus River below Goodwin Reservoir (7)              | 716                                      | 1,710               | 116                 | <b>580</b>           | 81%              | 510 - 680                        |
| <b>Tuolumne River</b>                                     |  |                     |                     |                      |                  |                                  |
| Cherry Creek & Eleanor Creek near Hetch Hetchy (3)        | 322                                      | 727                 | 97                  | 240                  | 75%              |                                  |
| Tuolumne River near Hetch Hetchy (3)                      | 606                                      | 1,392               | 153                 | 470                  | 78%              |                                  |
| Tuolumne River below La Grange Reservoir (7)              | 1,230                                    | 2,682               | 301                 | <b>940</b>           | 76%              | 840 - 1,090                      |
| <b>Merced River</b>                                       |  |                     |                     |                      |                  |                                  |
| Merced River at Pohono Bridge (3)                         | 362                                      | 888                 | 80                  | 250                  | 69%              |                                  |
| Merced River below Merced Falls (7)                       | 633                                      | 1,587               | 123                 | <b>420</b>           | 66%              | 370 - 490                        |
| <b>San Joaquin River</b>                                  |  |                     |                     |                      |                  |                                  |
| San Joaquin River at Mammoth Pool (6)                     | 1,014                                    | 2,279               | 235                 | 700                  | 69%              |                                  |
| Big Creek below Huntington Lake (6)                       | 95                                       | 264                 | 11                  | 65                   | 68%              |                                  |
| South Fork near Florence Lake (6)                         | 202                                      | 511                 | 58                  | 140                  | 69%              |                                  |
| San Joaquin River below Millerton Lake                    | 1,262                                    | 3,355               | 262                 | <b>860</b>           | 68%              | 760 - 980                        |
| <b>TULARE LAKE</b>  |  |                     |                     |                      |                  |                                  |
| <b>Kings River</b>  |  |                     |                     |                      |                  |                                  |
| North Fork Kings River near Cliff Camp (3)                | 239                                      | 565                 | 50                  | 170                  | 71%              |                                  |
| Kings River below Pine Flat Reservoir                     | 1,234                                    | 3,113               | 274                 | <b>860</b>           | 70%              | 760 - 960                        |
| <b>Kaweah River below Terminus Reservoir</b>              |  |                     |                     |                      |                  |                                  |
|   | 290                                      | 814                 | 62                  | <b>195</b>           | 67%              | 165 - 235                        |
| <b>Tule River below Lake Success</b>                      |  |                     |                     |                      |                  |                                  |
|   | 65                                       | 259                 | 2                   | <b>28</b>            | 43%              | 22 - 42                          |
| <b>Kern River</b>   |  |                     |                     |                      |                  |                                  |
| Kern River near Kernville (3)                             | 373                                      | 1,203               | 83                  | 180                  | 48%              |                                  |
| Kern River inflow to Lake Isabella                        | 470                                      | 1,657               | 84                  | <b>210</b>           | 45%              | 180 - 270                        |

(1) See inside back cover for definition

(2) All 50 year averages are based on years 1951-2000 unless otherwise noted

(3) 50 year average based on years 1941-90

(4) 44 year average based on years 1936-79

(5) 36 year average based on years 1936-72

(6) 45 year average based on years 1936-81

**MAY 1, 2002 FORECASTS**  
**WATER YEAR UNIMPAIRED RUNOFF**

| HISTORICAL          |                     |                     | Unimpaired Runoff in 1,000 Acre-Feet (1) |          |          |          |     |     |     |                 | FORECAST                   |                  |                                  |
|---------------------|---------------------|---------------------|--|----------|----------|----------|-----|-----|-----|-----------------|----------------------------|------------------|----------------------------------|
| 50 Yr<br>Avg<br>(2) | Max<br>of<br>Record | Min<br>of<br>Record | Oct<br>Thru<br>Jan*                      | Feb<br>* | Mar<br>* | Apr<br>* | May | Jun | Jul | Aug<br>&<br>Sep | Water<br>Year<br>Forecasts | Pct<br>of<br>Avg | 80 %<br>Probability<br>Range (1) |
| 888                 | 1,965               | 165                 |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 1,234               | 2,353               | 557                 |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 3,217               | 5,150               | 1,484               |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 6,194               | 10,796              | 2,479               | 2,275                                    | 520      | 575      | 480      | 420 | 300 | 250 | 450             | <b>5,270</b>               | 85%              | 5,000 - 5,610                    |
| 8,990               | 17,180              | 3,294               | 3,835                                    | 810      | 830      | 650      | 520 | 380 | 300 | 545             | <b>7,870</b>               | 88%              | 7,510 - 8,360                    |
| 780                 | 1,269               | 366                 |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 2,417               | 4,400               | 666                 |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 219                 | 637                 | 24                  |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 291                 | 562                 | 32                  |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 4,775               | 9,492               | 994                 | 1,090                                    | 305      | 445      | 505      | 450 | 220 | 125 | 160             | <b>3,300</b>               | 69%              | 3,070 - 3,630                    |
| 564                 | 1,056               | 102                 |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 181                 | 292                 | 30                  |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 379                 | 565                 | 98                  |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 2,459               | 4,926               | 369                 | 495                                      | 170      | 280      | 330      | 330 | 110 | 30  | 35              | <b>1,780</b>               | 72%              | 1,660 - 1,930                    |
| 616                 | 1,234               | 66                  |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 1,070               | 2,575               | 144                 |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 318                 | 705                 | 59                  |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 2,830               | 6,382               | 349                 | 470                                      | 220      | 355      | 425      | 420 | 140 | 25  | 15              | <b>2,070</b>               | 73%              | 1,930 - 2,250                    |
| 409                 | 1,253               | 20                  | 59                                       | 32       | 60       | 37       | 25  | 10  | 3   | 1               | <b>227</b>                 | 56%              | 195 - 260                        |
| 626                 | 1,009               | 197                 |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 774                 | 1,800               | 129                 | 85                                       | 40       | 65       | 125      | 175 | 70  | 10  | 5               | <b>575</b>                 | 74%              | 530 - 650                        |
| 471                 | 929                 | 88                  |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 1,196               | 2,952               | 155                 | 145                                      | 55       | 100      | 215      | 240 | 105 | 20  | 10              | <b>890</b>                 | 74%              | 820 - 1,000                      |
| 461                 | 1,147               | 123                 |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 770                 | 1,661               | 258                 |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 1,974               | 4,631               | 383                 | 245                                      | 80       | 140      | 305      | 385 | 210 | 40  | 15              | <b>1,420</b>               | 72%              | 1,320 - 1,590                    |
| 461                 | 1,020               | 92                  |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 1,014               | 2,787               | 150                 | 105                                      | 35       | 60       | 150      | 180 | 70  | 20  | 10              | <b>630</b>                 | 62%              | 580 - 710                        |
| 1,337               | 2,964               | 308                 |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 112                 | 298                 | 14                  |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 248                 | 653                 | 71                  |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 1,851               | 4,642               | 362                 | 155                                      | 55       | 95       | 245      | 355 | 200 | 60  | 35              | <b>1,200</b>               | 65%              | 1,090 - 1,340                    |
| 284                 | 607                 | 58                  |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 1,736               | 4,287               | 386                 | 145                                      | 50       | 80       | 235      | 360 | 205 | 60  | 35              | <b>1,170</b>               | 67%              | 1,060 - 1,280                    |
| 460                 | 1,402               | 94                  | 60                                       | 17       | 30       | 62       | 85  | 38  | 10  | 8               | <b>310</b>                 | 67%              | 270 - 360                        |
| 153                 | 615                 | 16                  | 30                                       | 6        | 11       | 13       | 10  | 4   | 1   | 0               | <b>75</b>                  | 49%              | 65 - 90                          |
| 558                 | 1,577               | 163                 |  |          |          |          |     |     |     |                 |                            |                  |                                  |
| 741                 | 2,318               | 175                 | 75                                       | 20       | 30       | 55       | 80  | 50  | 25  | 25              | <b>360</b>                 | 49%              | 325 - 430                        |

\* Unimpaired runoff in prior months based on measured flows

(7) Forecast point names based on USGS gage names. Stanislaus below Goodwin also known as inflow to New Melones, Tuolumne River below La Grange also known as inflow to Don Pedro, Merced River below Merced Falls also known as inflow to McClure.

**MAY 1, 2002 FORECASTS**  
**APRIL-JULY UNIMPAIRED RUNOFF**

| HYDROLOGIC REGION<br>and Watershed   | Unimpaired Runoff in 1,000 Acre-Feet (1) |                     |                     |                      |                  |
|--|--|---------------------|---------------------|----------------------|------------------|
|  | HISTORICAL                               |                     |                     | FORECAST             |                  |
|  | 50 Yr<br>Avg<br>(2)                      | Max<br>of<br>Record | Min<br>of<br>Record | Apr-Jul<br>Forecasts | Pct<br>of<br>Avg |
| <b>NORTH COAST</b>   |  |                     |                     |                      |                  |
| <b>Trinity River</b><br>Trinity River at Lewiston Lake                       | 660                                      | 1,593               | 80                  | <b>580</b>           | 88%              |
| <b>Scott River</b><br>Scott River near Fort Jones                            | 200                                      | 400                 | 30                  | <b>170</b>           | 85%              |
| <b>Klamath River</b><br>Total inflow to Upper Klamath Lake (3)               | 340                                      | 531                 | 229                 | <b>235</b>           | 69%              |
| <b>NORTH LAHONTAN</b>  |  |                     |                     |                      |                  |
| <b>Truckee River</b><br>Lake Tahoe to Farad accretions                       | 272                                      | 713                 | 52                  | <b>210</b>           | 77%              |
| Lake Tahoe Rise (assuming gates closed, in feet)                             | 1.4                                      | 5.4                 | 0.2                 | <b>0.9</b>           | 63%              |
| <b>Carson River</b><br>West Fork Carson River at Woodfords                   | 55                                       | 135                 | 12                  | <b>45</b>            | 81%              |
| East Fork Carson River near Gardnerville                                     | 190                                      | 407                 | 43                  | <b>145</b>           | 76%              |
| <b>Walker River</b><br>West Walker River below Little Walker, near Coleville | 153                                      | 330                 | 35                  | <b>115</b>           | 75%              |
| East Walker River near Bridgeport  | 65                                       | 209                 | 7                   | <b>35</b>            | 54%              |
| <b>SOUTH LAHONTAN</b>  |  |                     |                     |                      |                  |
| <b>Owens River</b><br>Total tributary flow to Owens River (4)                | 235                                      | 579                 | 96                  | <b>171</b>           | 73%              |

(1) See inside back cover for definition

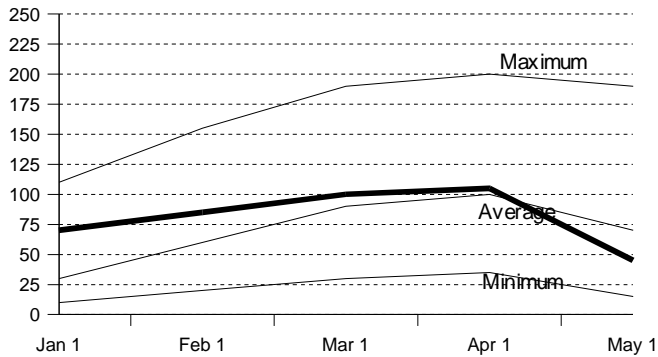
(2) All 50 year averages are based on years 1951-2000 unless otherwise noted

(3) Forecast by U.S. Natural Resources Conservation Service and National Weather Service California-Nevada River Forecast Center, May through September forecast, 30 year average based on years 1971-2000.

(4) Forecast by Department of Water and Power, City of Los Angeles, average based on years 1951-2000.

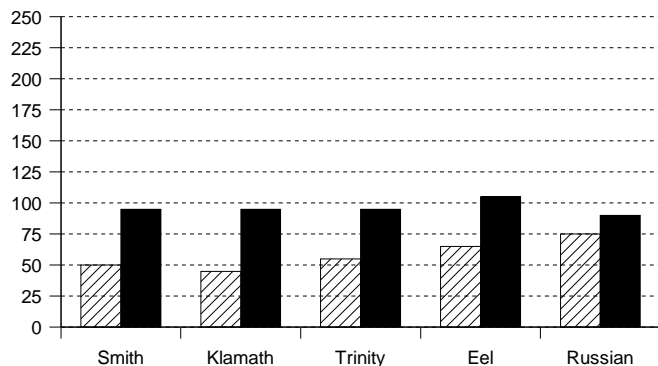
## Snowpack Accumulation

### Water Content in % of April 1 Average



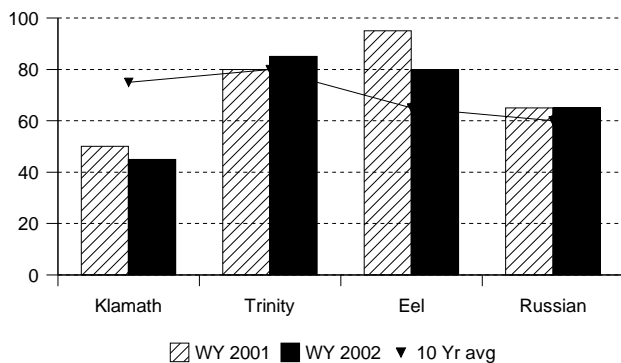
## Precipitation

### October 1 to date in % of Average



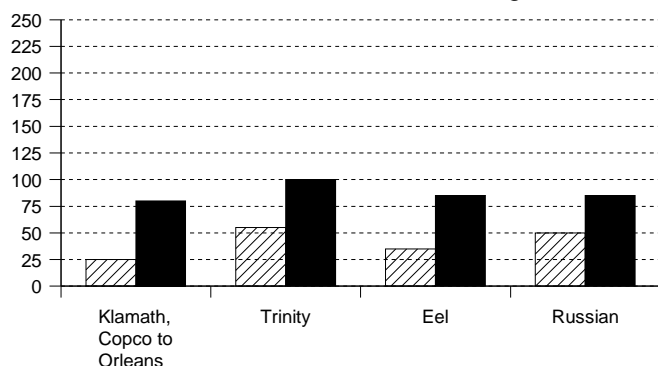
## Reservoir Storage

### Contents of major reservoirs in % of capacity



## Runoff

### October 1 to date in % of average



## NORTH COAST REGION

**SNOWPACK**– First of the month measurements made at 10 snow courses indicate an area wide snow water equivalent of 17.3 inches. This is 45 percent of the seasonal April 1 average and 65% of the May 1 average. Last year at this time the pack was holding 20.8 inches of water.

**PRECIPITATION** – Seasonal precipitation (October 1 through the end of last month) on this area was 95 percent of normal. Precipitation last month was about 75 percent of the monthly average. Seasonal precipitation at this time last year stood at 55 percent of normal.

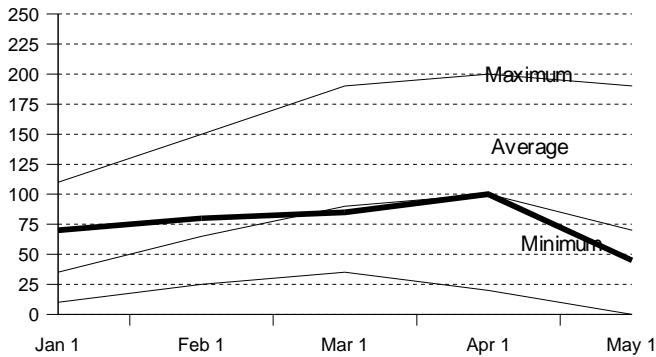
**RESERVOIR STORAGE**– First of the month storage in 7 reservoirs was 2.5 million acre–feet which is 100 percent of average. About 80 percent of available capacity was being used. Storage in these reservoirs at this time last year was 95 percent of average.

**RUNOFF** –Seasonal runoff of streams draining the area totaled 9.6 million acre–feet which is 85 percent of the average for this period. Last year, runoff for the same period was 35 percent of average.

# SACRAMENTO RIVER REGION

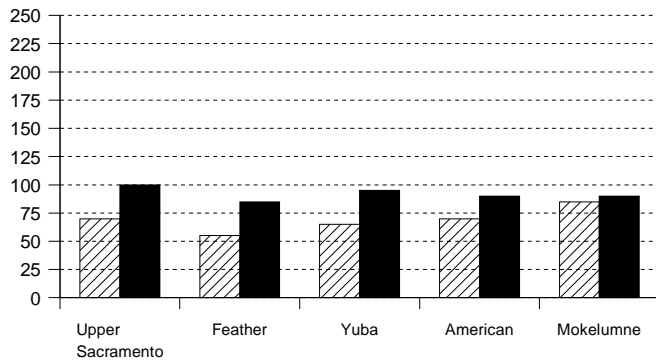
## Snowpack Accumulation

### Water Content in % of April 1 Average



## Precipitation

### October 1 to date in % of Average

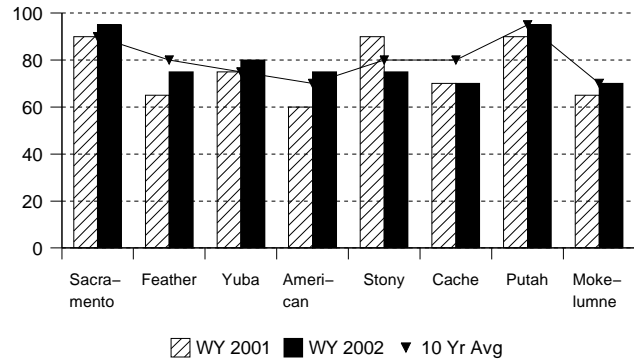


**SNOWPACK**– First of the month measurements made at 46 snow courses indicate an area wide snow water equivalent of 17.4 inches. This is 45 percent of the seasonal April 1 average and 65 percent of the May 1 average. Last year at this time the pack was holding 12.4 inches of water.

**PRECIPITATION** – Seasonal precipitation (October 1 through the end of last month) on this area was 95 percent of normal. Precipitation last month was about 45 percent of the monthly average. Seasonal precipitation at this time last year stood at 70 percent of normal.

## Reservoir Storage

### Contents of major reservoirs in % of capacity

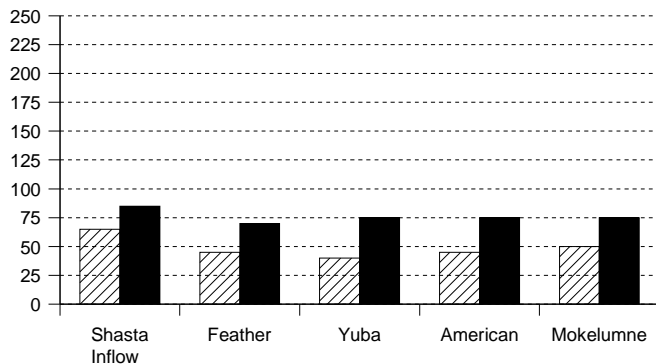


**RESERVOIR STORAGE**– First of the month storage in 43 reservoirs was 13.3 million acre–feet which is 100 percent of average. About 85 percent of available capacity was being used. Storage in these reservoirs at this time last year was 90 percent of average.

**RUNOFF** – Seasonal runoff of streams draining the area totaled 11.2 million acre–feet which is 80 percent of average for this period. Last year, runoff for the same period was 55 percent of average.

## Runoff

### October 1 to date in % of average

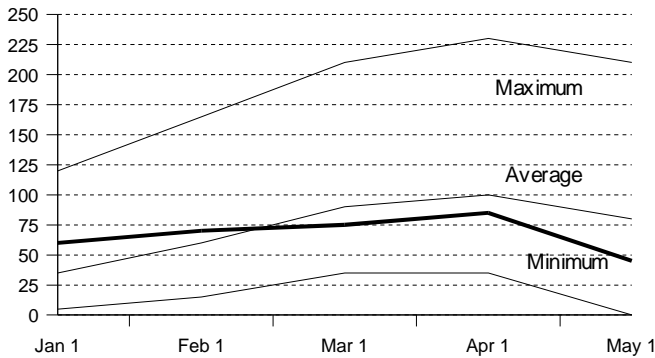


The **Sacramento Region 40–30–30 Water Supply Index** is forecast to be 6.5 assuming median meteorological conditions for the remainder of the year. This classifies the year as "dry" in the Sacramento Valley according to the State Water Resources Control Board.



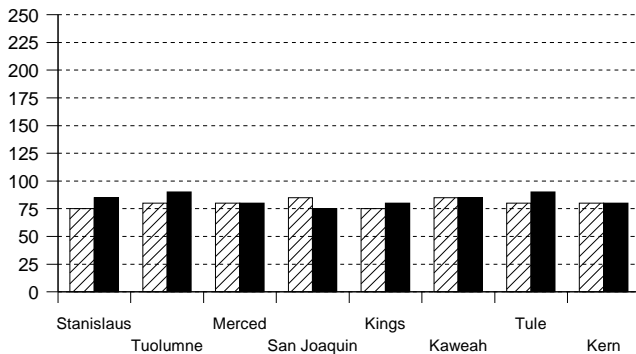
## Snowpack Accumulation

Water Content in % of April 1 Average



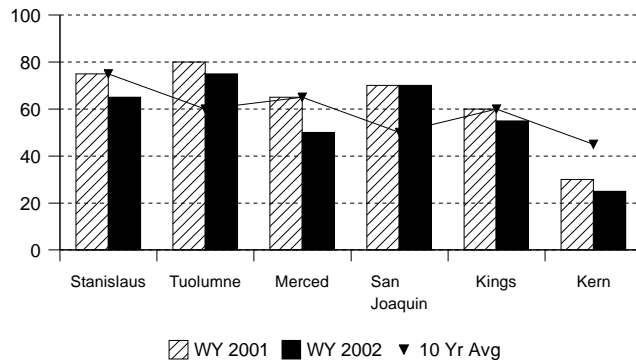
Precipitation

October 1 to date in % of Average



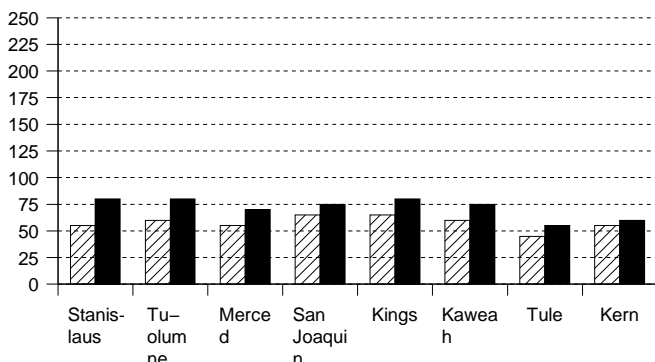
## Reservoir Storage

Contents of major reservoirs in % of capacity



## Runoff

October 1 to date in % of average



## SAN JOAQUIN RIVER AND TULARE LAKE REGIONS

**SNOWPACK**– First of the month measurements made at 52 **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 18.2 inches. This is 50 percent of the seasonal (April 1) average and 65 percent of the May 1 average. Last year at this time the pack was holding 21.2 inches of water.

At the same time 29 **Tulare Lake Region** snow courses indicated a basin-wide snow water equivalent of 10.0 inches which is 35 percent of the average for April 1 and 45 percent of May 1. Last year at this time the basin was holding 10.9 inches of water.

**PRECIPITATION** – Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 85 percent of normal. Precipitation last month was about 40 percent of the monthly average. Seasonal precipitation at this time last year stood at 85 percent of normal. Seasonal precipitation on the **Tulare Lake Region** was 80 percent of normal. Precipitation last month was about 35 percent of the monthly average. Seasonal precipitation at this time last year stood at 85 percent of normal.

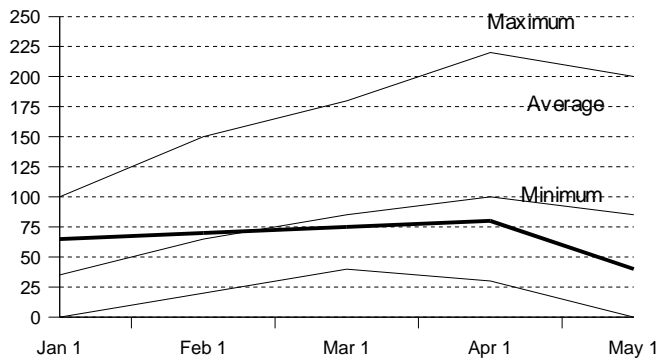
**RESERVOIR STORAGE**– First of the month storage in 34 **San Joaquin Region** reservoirs was 8.1 million acre-feet which is 105 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 115 percent of average. First of the month storage in 6 **Tulare Lake Region** reservoirs was 955 thousand acre-feet which is 90 percent of average and about 45 percent of available capacity. Storage in these reservoirs at this time last year was 105 percent of average.

**RUNOFF**– Seasonal runoff of streams draining the **San Joaquin Region** totaled 2.7 million acre-feet which is 75 percent of average for this period. Last year, runoff for the same period was 55 percent of average. Seasonal runoff of streams draining the **Tulare Lake Basin** totaled 927 thousand acre-feet which is 70 percent of average for this period. Last year runoff for this same period was 60 percent of average.

The **San Joaquin Region 60–20–20 Water Supply Index** is forecast to be 2.4 assuming median meteorological conditions. This classifies the year as "dry" in the San Joaquin River Region according to the State Water Resources Control Board.

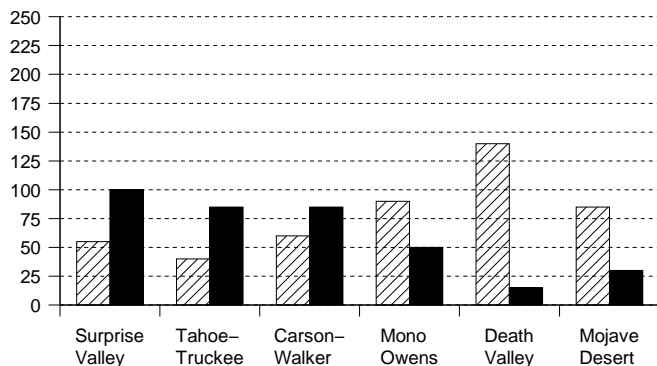
## Snowpack Accumulation

### Water Content in % of April 1 Average



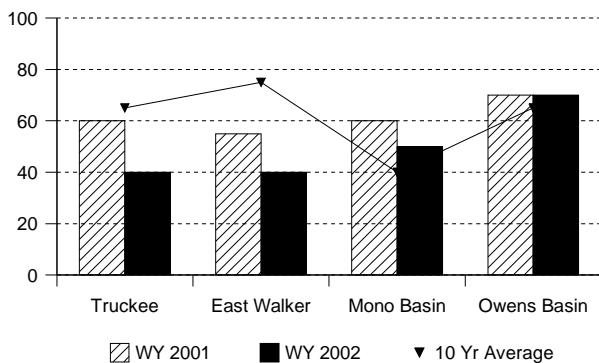
### Precipitation

#### October 1 to date in % of Average



## Reservoir Storage

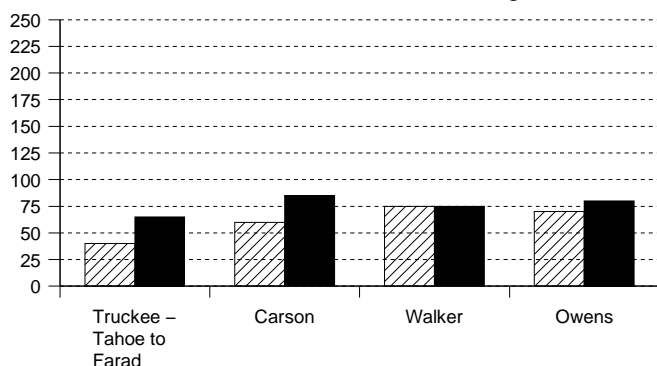
### Contents of major reservoirs in % of capacity



▨ WY 2001    ■ WY 2002    ▼ 10 Yr Average

## Runoff

### October 1 to date in % of average



## NORTH AND SOUTH LAHONTAN REGIONS

**SNOWPACK**– First of the month measurements made at 3 **North Lahontan Region** snow courses indicate an area wide snow water equivalent of 14.1 inches. This is 55 percent of the seasonal (April 1) average and 65 percent of the May 1 average. Last year at this time the pack was holding 8.0 inches of water. At the same time 2 **South Lahontan** snow courses indicated a basin-wide snow water equivalent of 2.5 inches which is 15 percent of the seasonal (April 1) average and 20 percent of the May 1 average. Last year at this time the basin was holding 11.7 inches of water.

**PRECIPITATION** – Seasonal precipitation (October 1 through the end of last month) on the **North Lahontan Region** was 90 percent of normal. Precipitation last month was about 115 percent of the monthly average. Seasonal precipitation at this time last year stood at 50 percent of normal. Seasonal precipitation on the **South Lahontan** was 35 percent of normal. Precipitation last month was about 25 percent of the monthly average. Seasonal precipitation at this time last year stood at 105 percent of normal.

**RESERVOIR STORAGE**– First of the month storage in 5 **North Lahontan** reservoirs was 415 thousand acre-feet which is 65 percent of average. About 40 percent of available capacity was being used. Storage in these reservoirs at this time last year was 100 percent of average. Lake Tahoe was 1.7 feet above its natural rim on May 1.

First of the month storage in 8 **South Lahontan** reservoirs was 288 thousand acre-feet which is 110 percent of average and about 70 percent of available capacity. Storage in these reservoirs at this time last year was 115 percent of average.

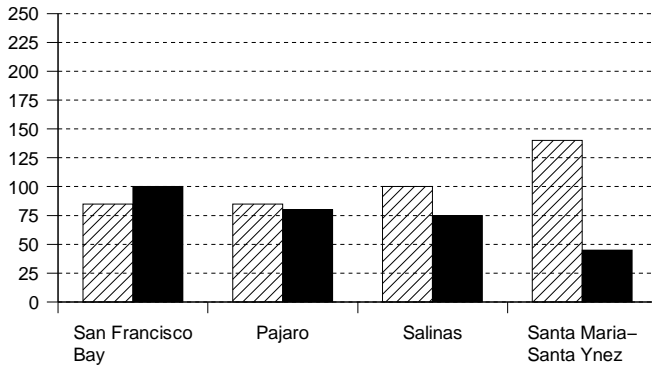
**RUNOFF**– Seasonal runoff of streams draining the **North Lahontan Region** totaled 327 thousand acre-feet which is 75 percent of average for this period. Last year, runoff for the same period was 55 percent of average.

Seasonal runoff of the Owens River in the **South Lahontan** totaled 63 thousand acre-feet which is 80 percent of average for this period. Last year runoff for this same period was 70 percent of average.

## SAN FRANCISCO BAY AND CENTRAL COAST REGIONS

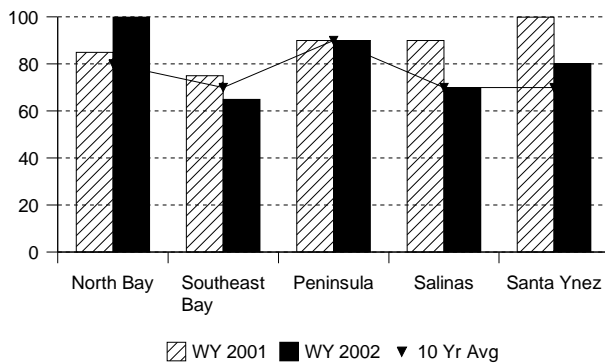
### Precipitation

October 1 to date in % of Average



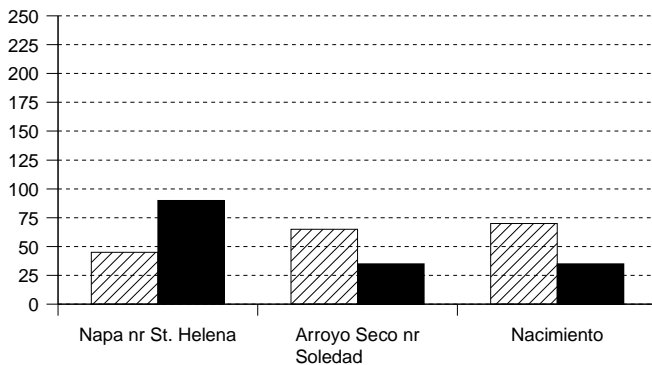
### Reservoir Storage

Contents of major reservoirs in % of capacity



### Runoff

October 1 to date in % of average



**PRECIPITATION** – Seasonal precipitation (October 1 through the end of last month) on the **San Francisco Bay Region** was 105 percent of normal. Precipitation last month was about 30 percent of the monthly average. Seasonal precipitation at this time last year stood at 85 percent of normal.

Seasonal precipitation on the **Central Coast Region** was 70 percent of normal. Precipitation last month was about 15 percent of the monthly average. Seasonal precipitation at this time last year stood at 110 percent of normal.

**RESERVOIR STORAGE**– First of the month storage in 18 **San Francisco Bay Region** reservoirs was 494 thousand acre–feet which is 90 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 100 percent of average.

First of the month storage in 6 **Central Coast Region** reservoirs was 712 thousand acre–feet which is 100 percent of average and about 75 percent of available capacity. Storage in these reservoirs at this time last year was 125 percent of average.

**RUNOFF**– Seasonal runoff of the Napa River in the **San Francisco Bay Region** totaled 65 thousand acre–feet which is 90 percent of average for this period. Last year, runoff for the same period was 45 percent of average.

Seasonal runoff of streams draining the **Central Coast Region** totaled 110 thousand acre–feet which is 35 percent of average for this period. Last year runoff for this same period was 70 percent of average.

## **SOUTH COAST AND COLORADO RIVER REGIONS**

**PRECIPITATION** – October through April (seasonal) precipitation on the **South Coast Region** was 30 percent of normal. April precipitation was 15 percent of the monthly average. Seasonal precipitation at this time last year was 95 percent of normal. Seasonal precipitation on the **Colorado River–Desert Region** was 5 percent of normal. Precipitation during April was 5 percent of average. Seasonal precipitation at this time last year stood at 160 percent of average.

**RESERVOIR STORAGE** – May 1 storage in 29 major **South Coast Region** reservoirs was 1.3 million acre–feet or 80 percent of average. About 65 percent of available capacity was being used. Storage in these reservoirs at this time last year was 90 percent of average.

On May 1 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 38 million acre–feet or about 90 percent of average. About 70 percent of available capacity was in use. Last year at this time, these reservoirs were storing 102 percent of average.

**RUNOFF** – Seasonal runoff from selected **South Coast Region** streams totaled 4 thousand acre–feet which is 10 percent of average. Seasonal runoff from these streams last year was 35 percent of average.

## **COLORADO RIVER**

The April July inflow to Lake Powell is forecast to be 2 million acre–feet, which is 25 percent of average. The May 1 snowpack in the Colorado River basin above Lake Powell was 25 percent of average, highest in the Upper Green at 70 percent and lowest in the Animas at below 5 percent.

## **CENTRAL VALLEY PROJECT**

As of April 30, 2002 CVP storage was 9.6 million acre–feet which is an increase of 0.1 million acre feet compared to one year ago, and is approximately 113% of normal for that date.

The Bureau of Reclamation announced updated water allocations for the CVP contractors on April 15, 2002. Based on a conservative water supply forecast prepared from information available April 1, 2002, and a water year inflow into Shasta Reservoir of 5.0 million acre–feet, CVP water allocations were: Agricultural contractors North of Delta 100% and South of Delta 55%; Urban contractors North of Delta 100% and South of Delta 80%; Sacramento River water rights and San Joaquin Exchange Contractors 100%; Wildlife Refuges 100%; Friant Contractors will be 100 percent of Class 1 and 0 (zero) percent of Class 2. Updated allocations will be announced in mid–May. The forecast of CVP operations is available on the Mid–Pacific Region’s website at [www.mp.usbr.gov](http://www.mp.usbr.gov).

## **STATE WATER PROJECT**

Total storage in the major SWP reservoirs was about 4.26 MAF on April 30, 2002, compared with 3.77 MAF at this time in 2001. On April 30 storage at Lake Oroville was about 2.66 MAF as compared to about 2.19 MAF last year.

The State’s share of San Luis Reservoir storage at the end of April was 984 TAF, as compared to about 985 TAF at this time last year. This year’s storage included approximately 42 TAF of water acquired by the Environmental Water Account.

The combined storage of SWP’s southern reservoirs was about 617 TAF on April 30, as compared to 604 TAF at this time last year.

SWP water deliveries through April 2002 were about 730 TAF. This is a combination of project, transfer, and exchange waters. This was about 194 TAF more than the same time period in 2001.

The SWP allocation was increased on March 28 to 2.5 MAF, which represents 60% of State Water Contractor entitlement.

# MAJOR WATER DISTRIBUTION PROJECTS

## RESERVOIR STORAGE

(AVERAGES BASED ON 1951-2000 OR PERIOD RECORD)

| RESERVOIR                                  | CAPACITY<br>1,000 AF | AVERAGE<br>STORAGE<br>1,000 AF | 2001<br>1,000 AF | STORAGE AT END OF April<br>2002 1,000 AF | PERCENT<br>AVERAGE | PERCENT<br>CAPACITY |
|--|----------------------|--------------------------------|------------------|--|--------------------|---------------------|
| <i>STATE WATER PROJECT</i>                 |                      |                                |                  |  |                    |                     |
| Lake Oroville                              | 3,538                | 2,967                          | 2,188            | 2,659                                    | 90%                | 75%                 |
| San Luis Reservoir (SWP)                   | 1,062                | 983                            | 985              | 973                                      | 99%                | 92%                 |
| Lake Del Valle                             | 77                   | 39                             | 38               | 35                                       | 89%                | 45%                 |
| Lake Silverwood                            | 73                   | 68                             | 70               | 73                                       | 107%               | 100%                |
| Pyramid Lake                               | 171                  | 163                            | 164              | 163                                      | 100%               | 95%                 |
| Castaic Lake                               | 324                  | 286                            | 258              | 263                                      | 92%                | 81%                 |
| Perris Lake                                | 132                  | 117                            | 112              | 117                                      | 100%               | 89%                 |
| <i>CENTRAL VALLEY PROJECT</i>              |                      |                                |                  |  |                    |                     |
| Trinity Lake                               | 2,448                | 2,045                          | 1,963            | 2,049                                    | 100%               | 84%                 |
| Lake Shasta                                | 4,552                | 3,950                          | 4,020            | 4,297                                    | 109%               | 94%                 |
| Whiskeytown Lake                           | 241                  | 231                            | 236              | 240                                      | 104%               | 99%                 |
| Folsom Lake                                | 977                  | 728                            | 668              | 759                                      | 104%               | 78%                 |
| New Melones Reservoir                      | 2,420                | 1,446                          | 1,876            | 1,589                                    | 110%               | 66%                 |
| Millerton Lake                             | 520                  | 352                            | 450              | 470                                      | 134%               | 90%                 |
| San Luis Reservoir (CVP)                   | 971                  | 880                            | 926              | 871                                      | 99%                | 90%                 |
| <i>COLORADO RIVER PROJECT</i>              |                      |                                |                  |  |                    |                     |
| Lake Mead                                  | 26,159               | 20,374                         | 21,603           | 18,539                                   | 91%                | 71%                 |
| Lake Powell                                | 25,002               | 19,267                         | 18,821           | 16,705                                   | 87%                | 67%                 |
| Lake Mohave                                | 1,810                | 1,672                          | 1,734            | 1,682                                    | 101%               | 93%                 |
| Lake Havasu                                | 619                  | 588                            | 594              | 584                                      | 99%                | 94%                 |
| <i>EAST BAY MUNICIPAL UTILITY DISTRICT</i> |                      |                                |                  |  |                    |                     |
| Pardee Res                                 | 198                  | 182                            | 194              | 174                                      | 96%                | 88%                 |
| Camanche Reservoir                         | 417                  | 258                            | 270              | 296                                      | 114%               | 71%                 |
| East Bay (4 reservoirs)                    | 147                  | 136                            | 136              | 138                                      | 102%               | 94%                 |
| <i>CITY AND COUNTY OF SAN FRANCISCO</i>    |                      |                                |                  |  |                    |                     |
| Hetch-Hetchy Reservoir                     | 360                  | 157                            | 217              | 180                                      | 114%               | 50%                 |
| Cherry Lake                                | 268                  | 145                            | 183              | 224                                      | 155%               | 84%                 |
| Lake Eleanor                               | 26                   | 15                             | 17               | 22                                       | 149%               | 84%                 |
| Souty Bay/Peninsula (4 res.)               | 225                  | 182                            | 194              | 149                                      | 82%                | 66%                 |
| <i>CITY OF LOS ANGELES (D.W.P.)</i>        |                      |                                |                  |  |                    |                     |
| Lake Crowley                               | 183                  | 124                            | 146              | 139                                      | 112%               | 76%                 |
| Grant Lake                                 | 48                   | 26                             | 38               | 32                                       | 123%               | 67%                 |
| Other Aqueduct Storage (6 res.)            | 95                   | 75                             | 64               | 67                                       | 89%                | 71%                 |

# TELEMETERED SNOW WATER EQUIVALENTS

May 1, 2002

(AVERAGES BASED ON PERIOD RECORD)

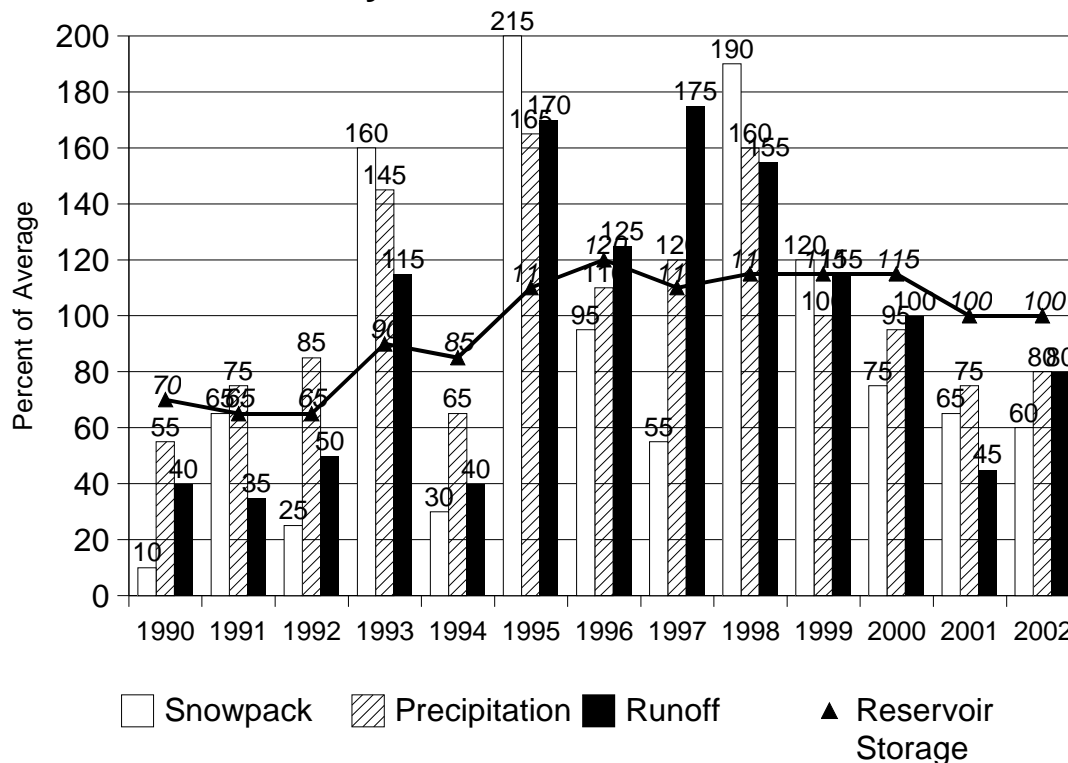
|  |       | INCHES OF WATER EQUIVALENT |       |            |          |          |
|--|-------|----------------------------|-------|------------|----------|----------|
| BASIN NAME                               |       | APRIL 1                    |       | PERCENT    | 24 HRS   | 1 WEEK   |
| STATION NAME                             | ELEV  | AVERAGE                    | May 1 | OF AVERAGE | PREVIOUS | PREVIOUS |
| <b>TRINITY RIVER</b>                     |       |                            |       |            |          |          |
| Peterson Flat                            | 7150' | 29.2                       | 16.4  | 56.1       | 16.4     | 19.3     |
| Red Rock Mountain                        | 6700' | 39.6                       | —     | —          | —        | —        |
| Bonanza King                             | 6450' | 40.5                       | 17.8  | 43.9       | 17.5     | 21.6     |
| Shimmy Lake                              | 6400' | 40.3                       | —     | —          | —        | —        |
| Middle Boulder 3                         | 6200' | 28.3                       | 12.0  | 42.5       | 11.4     | 12.0     |
| Highland Lakes                           | 6030' | 29.9                       | 7.4   | 24.9       | 7.1      | 10.2     |
| Scott Mountain                           | 5900' | 16.0                       | 0.0   | 0.0        | 0.0      | 1.9      |
| Mumbo Basin                              | 5650' | 22.4                       | —     | —          | —        | —        |
| Big Flat                                 | 5100' | 15.8                       | 3.4   | 21.6       | 3.4      | 7.0      |
| <b>SACRAMENTO RIVER</b>                  |       |                            |       |            |          |          |
| Cedar Pass                               | 7100' | 18.1                       | 12.3  | 68.0       | 11.7     | 12.7     |
| Blacks Mountain                          | 7050' | 12.7                       | —     | —          | —        | —        |
| Sand Flat                                | 6750' | 42.4                       | 20.3  | 47.8       | 19.6     | 22.0     |
| Medicine Lake                            | 6700' | 32.6                       | 16.9  | 51.9       | 16.4     | 18.7     |
| Adin Mountain                            | 6200' | 13.6                       | 1.1   | 8.1        | 0.6      | 2.5      |
| Snow Mountain                            | 5950' | 27.0                       | 12.0  | 44.4       | 12.0     | 15.7     |
| Slate Creek                              | 5700' | 29.0                       | 8.8   | 30.2       | 8.4      | 9.4      |
| Stouts Meadow                            | 5400' | 36.0                       | 4.4   | 12.3       | 4.4      | 6.4      |
| <b>FEATHER RIVER</b>                     |       |                            |       |            |          |          |
| Kettle Rock                              | 7300' | 25.5                       | 10.9  | 42.8       | 10.9     | 12.4     |
| Grizzly Ridge                            | 6900' | 29.7                       | 9.7   | 32.7       | 9.8      | 12.5     |
| Pilot Peak                               | 6800' | 52.6                       | 8.8   | 16.7       | 9.0      | 11.4     |
| Gold Lake                                | 6750' | 36.5                       | 33.5  | 91.7       | 33.5     | 34.2     |
| Humbug                                   | 6500' | 28.0                       | 21.9  | 78.1       | 21.9     | 24.6     |
| Rattlesnake                              | 6100' | 14.0                       | 0.0   | 0.0        | 0.0      | 0.0      |
| Bucks Lake                               | 5750' | 44.7                       | 28.6  | 63.9       | 28.6     | 31.9     |
| Four Trees                               | 5150' | 20.0                       | 1.1   | 5.4        | 1.1      | 0.7      |
| <b>EEL RIVER</b>                         |       |                            |       |            |          |          |
| Noel Spring                              | 5100' | —                          | 1.0   | —          | 1.2      | 0.0      |
| <b>YUBA &amp; AMERICAN RIVERS</b>        |       |                            |       |            |          |          |
| Lake Lois                                | 8600' | 39.5                       | —     | —          | —        | —        |
| Schneiders                               | 8750' | 34.5                       | 41.0  | 118.8      | 40.6     | 40.2     |
| Caples Lake                              | 8000' | 30.9                       | 17.4  | 56.3       | 17.3     | 18.6     |
| Alpha                                    | 7600' | 35.9                       | 19.7  | 54.8       | 19.5     | 21.4     |
| Meadow Lake                              | 7200' | 55.5                       | 50.6  | 91.2       | 50.5     | 51.1     |
| Silver Lake                              | 7100' | 22.7                       | 7.3   | 32.2       | 7.1      | 10.2     |
| Central Sierra Snow Lab                  | 6900' | 33.6                       | 7.8   | 23.2       | 8.0      | 11.9     |
| Huysink                                  | 6600' | 42.6                       | 29.9  | 70.1       | 29.6     | 31.1     |
| Van Vleck                                | 6700' | 35.9                       | 28.1  | 78.1       | 27.5     | 28.6     |
| Robbs Saddle                             | 5900' | 21.4                       | 10.1  | 47.1       | 9.9      | 12.0     |
| Greek Store                              | 5600' | 21.0                       | —     | —          | —        | —        |
| Blue Canyon                              | 5280' | 9.0                        | —     | —          | —        | —        |
| Robbs Powerhouse                         | 5150' | 5.2                        | 0.0   | 0.0        | 0.0      | 0.0      |
| <b>MOKELUMNE &amp; STANISLAUS RIVERS</b> |       |                            |       |            |          |          |
| Deadman Creek                            | 9250' | 37.2                       | 21.8  | 58.5       | 21.5     | 21.9     |
| Highland Meadow                          | 8700' | 47.9                       | 36.8  | 76.8       | 36.7     | 34.0     |
| Gianelli Meadow                          | 8400' | 55.5                       | 31.9  | 57.5       | 31.4     | 30.0     |
| Lower Relief Valley                      | 8100' | 41.2                       | 28.6  | 69.3       | 27.3     | 27.9     |
| Blue Lakes                               | 8000' | 33.1                       | 23.9  | 72.2       | 23.6     | 24.0     |
| Mud Lake                                 | 7900' | 44.9                       | 43.8  | 97.5       | 43.5     | 43.6     |
| Stanislaus Meadow                        | 7750' | 47.5                       | 36.5  | 76.8       | 36.0     | 36.0     |
| Bloods Creek                             | 7200' | 35.5                       | 17.4  | 49.0       | 17.2     | 19.6     |
| Black Springs                            | 6500' | 32.0                       | 18.6  | 58.1       | 18.3     | 20.7     |
| <b>TUOLUMNE &amp; MERCED RIVERS</b>      |       |                            |       |            |          |          |
| Tioga Pass Entrance                      | 9945' | —                          | —     | —          | —        | —        |
| Dana Meadows                             | 9800' | 27.7                       | 20.1  | 72.7       | 20.2     | 19.9     |
| Slide Canyon                             | 9200' | 41.1                       | 34.0  | 82.8       | 34.0     | 32.1     |
| Lake Tenaya                              | 8150' | 33.1                       | 20.7  | 62.5       | 20.0     | 19.4     |
| Tuolumne Meadows                         | 8600' | 22.6                       | 0.5   | 2.2        | 0.5      | 4.3      |
| Horse Meadow                             | 8400' | 48.6                       | 34.0  | 70.0       | 33.4     | 30.8     |
| Ostrander Lake                           | 8200' | 34.8                       | 19.6  | 56.3       | 18.9     | 19.6     |
| Paradise Meadow                          | 7650' | 41.3                       | 29.9  | 72.3       | 29.2     | 30.5     |
| Gin Flat                                 | 7050' | 34.2                       | 11.5  | 33.7       | 11.3     | 13.3     |
| Lower Kibbie Ridge                       | 6700' | 27.4                       | 4.5   | 16.2       | 4.5      | 5.8      |

|                       |        | INCHES OF WATER EQUIVALENT |         |            |          |          |
|-----------------------|--------|----------------------------|---------|------------|----------|----------|
| BASIN NAME            |        | APRIL 1                    | PERCENT |            | 24 HRS   | 1 WEEK   |
| STATION NAME          | ELEV   | AVERAGE                    | May 1   | OF AVERAGE | PREVIOUS | PREVIOUS |
| SAN JOAQUIN RIVER     |        |                            |         |            |          |          |
| Volcanic Knob         | 10050' | 30.1                       | 24.2    | 80.3       | 23.5     | 22.9     |
| Agnew Pass            | 9450'  | 32.3                       | 10.8    | 33.3       | 10.1     | 11.4     |
| Kaiser Point          | 9200'  | 37.8                       | 9.2     | 24.3       | 9.2      | 10.8     |
| Green Mountain        | 7900'  | 30.8                       | —       | —          | —        | —        |
| Tamarack Summit       | 7550'  | 30.5                       | 1.4     | 4.5        | 1.4      | 4.5      |
| Chilkoot Meadow       | 7150'  | 38.0                       | 16.1    | 42.3       | 16.0     | 17.5     |
| Huntington Lake       | 7000'  | 20.1                       | 1.7     | 8.4        | 1.7      | 4.3      |
| Graveyard Meadow      | 6900'  | 18.8                       | 0.0     | 0.0        | 0.0      | 2.5      |
| Poison Ridge          | 6900'  | 28.9                       | 0.0     | 0.0        | 0.0      | 1.1      |
| KINGS RIVER           |        |                            |         |            |          |          |
| Bishop Pass           | 11200' | 34.0                       | 18.7    | 55.0       | 18.7     | 20.7     |
| Charlotte Lake        | 10400' | 27.5                       | 21.0    | 76.4       | 21.6     | 22.9     |
| State Lakes           | 10300' | 29.0                       | 19.2    | 66.2       | 19.2     | 20.0     |
| Mitchell Meadow       | 9900'  | 32.9                       | 27.5    | 83.6       | 27.2     | 27.4     |
| Blackcap Basin        | 10300' | 34.3                       | 25.7    | 75.0       | 25.7     | 25.4     |
| Upper Burnt Corral    | 9700'  | 34.6                       | 25.3    | 73.2       | 25.3     | 25.3     |
| West Woodchuck Meadow | 9100'  | 32.8                       | 15.6    | 47.6       | 15.0     | 16.3     |
| Big Meadows           | 7600'  | 25.9                       | 0.8     | 3.1        | 1.3      | 5.3      |
| KAWEAH & TULE RIVERS  |        |                            |         |            |          |          |
| Farewell Gap          | 9500'  | 34.5                       | 22.5    | 65.2       | 22.5     | 27.1     |
| Quaking Aspen         | 7200'  | 21.0                       | 0.0     | 0.0        | 0.0      | 0.0      |
| Giant Forest          | 6650'  | 10.0                       | 0.0     | 0.0        | 0.0      | 0.0      |
| KERN RIVER            |        |                            |         |            |          |          |
| Upper Tyndall Creek   | 11400' | 27.7                       | 14.0    | 50.5       | 14.0     | 14.3     |
| Crabtree Meadow       | 10700' | 19.8                       | —       | —          | —        | —        |
| Chagoopa Plateau      | 10300' | 21.8                       | 5.0     | 22.9       | 5.0      | 7.0      |
| Pascoes               | 9150'  | 24.9                       | 13.7    | 55.0       | 14.0     | 15.9     |
| Tunnel Guard Station  | 8900'  | 15.6                       | 0.0     | 0.0        | 0.0      | 0.0      |
| Wet Meadows           | 8950'  | 30.3                       | 0.0     | 0.0        | 0.0      | 0.0      |
| Casa Vieja Meadows    | 8300'  | 20.9                       | 0.0     | 0.0        | 0.0      | 0.0      |
| Beach Meadows         | 7650'  | 11.0                       | 0.0     | 0.0        | 0.0      | 0.0      |
| SURPRISE VALLEY AREA  |        |                            |         |            |          |          |
| Dismal Swamp          | 7050'  | 29.2                       | 26.9    | 92.1       | 26.4     | 28.7     |
| TRUCKEE RIVER         |        |                            |         |            |          |          |
| Mount Rose Ski Area   | 8900'  | 38.5                       | 36.9    | 95.8       | 36.3     | 38.1     |
| Independence Lake     | 8450'  | 41.4                       | 45.3    | 109.4      | 45.3     | 44.8     |
| Big Meadows           | 8700'  | 25.7                       | 10.1    | 39.3       | 10.0     | 11.0     |
| Squaw Valley          | 8200'  | 46.5                       | 50.8    | 109.2      | 50.6     | 51.6     |
| Independence Camp     | 7000'  | 21.8                       | 1.7     | 7.8        | 1.8      | 5.9      |
| Independence Creek    | 6500'  | 12.7                       | 0.0     | 0.0        | 0.0      | 0.0      |
| Truckee 2             | 6400'  | 14.3                       | 0.0     | 0.0        | 0.0      | 2.0      |
| LAKE TAHOE BASIN      |        |                            |         |            |          |          |
| Heavenly Valley       | 8800'  | 28.1                       | 11.5    | 40.9       | 11.5     | 12.5     |
| Hagans Meadow         | 8000'  | 16.5                       | 0.8     | 4.8        | 0.9      | 0.9      |
| Marlette Lake         | 8000'  | 21.1                       | 14.6    | 69.2       | 14.5     | 14.8     |
| Echo Peak 5           | 7800'  | 39.5                       | 25.0    | 63.3       | 24.7     | 26.1     |
| Rubicon Peak 2        | 7500'  | 29.1                       | 16.8    | 57.7       | 16.6     | 17.5     |
| Tahoe City Cross      | 6750'  | 16.0                       | 0.0     | 0.0        | 0.0      | 0.0      |
| Ward Creek 3          | 6750'  | 39.4                       | 24.9    | 63.2       | 24.9     | 26.9     |
| Fallen Leaf Lake      | 6250'  | 7.0                        | 0.0     | 0.0        | 0.0      | 0.0      |
| CARSON RIVER          |        |                            |         |            |          |          |
| Ebbetts Pass          | 8700'  | 38.8                       | 26.3    | 67.8       | 26.0     | 27.4     |
| Poison Flat           | 7900'  | 16.2                       | 0.0     | 0.0        | 0.0      | 0.0      |
| Monitor Pass          | 8350'  | —                          | 0.8     | —          | 0.9      | 3.4      |
| Spratt Creek          | 6150'  | 4.5                        | 0.0     | 0.0        | 0.0      | 0.0      |
| WALKER RIVER          |        |                            |         |            |          |          |
| Leavitt Lake          | 9600'  | —                          | 54.8    | —          | 54.6     | 54.4     |
| Virginia Lakes        | 9300'  | 20.3                       | 12.4    | 61.1       | 12.4     | 12.2     |
| Loddell Lake          | 9200'  | 17.3                       | 4.9     | 28.3       | 4.9      | 6.9      |
| Sonora Pass Bridge    | 8750'  | 26.0                       | 15.2    | 58.5       | 15.0     | 16.8     |
| Leavitt Meadows       | 7200'  | 8.0                        | 0.0     | 0.0        | 0.0      | 0.0      |
| OWENS RIVER/MONO LAKE |        |                            |         |            |          |          |
| Gem Pass              | 10750' | 31.7                       | 26.0    | 81.9       | 25.3     | 22.7     |
| Sawmill               | 10200' | 19.4                       | 4.9     | 25.2       | 4.9      | 7.5      |
| Cottonwood Lakes      | 10150' | 11.6                       | 0.0     | 0.0        | 0.0      | 0.0      |
| Big Pine Creek        | 9800'  | 17.9                       | 1.8     | 10.3       | 1.8      | 3.1      |
| South Lake            | 9600'  | 16.0                       | 0.0     | 0.0        | 0.0      | 2.9      |
| Mammoth Pass          | 9300'  | 42.4                       | 30.4    | 71.6       | 30.0     | 28.9     |
| Rock Creek Lakes      | 10000' | 14.0                       | 0.0     | 0.0        | 0.0      | 0.0      |

NORMAL SNOWPACK ACCUMULATION EXPRESSED AS A PERCENT OF APRIL 1ST AVERAGE

| AREA                 | JANUARY | FEBRUARY | MARCH | APRIL | MAY |
|----------------------|---------|----------|-------|-------|-----|
| Central Valley North | 45%     | 70%      | 90%   | 100%  | 75% |
| Central Valley South | 45%     | 65%      | 85%   | 100%  | 80% |
| North Coast          | 40%     | 60%      | 85%   | 100%  | 80% |

## May 1 Statewide Conditions



## SNOWLINES

**This year's** annual meeting of the Western Snow Conference will be hosted by the South Continental Region. It will be held May 20–23, 2002 at Silver Creek Resort, a scenic 90 minute drive from Denver, CO. It is a little later this coming year and right before Memorial Day weekend. For further information regarding the Western Snow Conference contact Frank Gehrke at 916–574–2635 or [gridley@water.ca.gov](mailto:gridley@water.ca.gov) Information is available on the web at <http://snobear.colorado.edu/WSC/WSC.html>. Also appearing at this web site are last meeting's papers.

**Waiting** for runoff is a streamlogger in Budd Creek pictured on this months cover. Installed last summer as part of the intensive network of sensors in Yosemite National Park in a joint project involving Yosemite National Park, USGS, Scripps Institution of Oceanography/University of California, California Department of Water Resources and others.